

20010220.ba v03_n109.bam.20010220

>From ???@??? Tue Feb 20 20:31:39 2001 -0600
Date: Tue, 20 Feb 2001 20:29:02 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3109
Message-Id: <20010221033846.055FC356F@devel43.theporch.com>

BOATANCHORS Digest 3109

Topics covered in this issue include:

- 1) Interesting WEB page!
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 2) Re: BC342 horror stories wanted
by James Hanlon <knjhanlon@qwest.net>
- 3) Re: BC342 horror stories wanted
by "Jack Antonio" <dia@dia.reno.nv.us>
- 4) RE: BC-342: It ain't pretty
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 5) RE: BC-342 Horror Stories Wanted
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 6) HRO-60 headsup
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 7) Re: Interesting WEB page!
by "Dick Dillman" <ddillman@igc.org>
- 8) Re: BC-342 horror stories wanted
by David Stinson <arc5@ix.netcom.com>
- 9) RE: Silvertone 5656-A
by Merz Donald S <merz.ds@mellon.com>
- 10) RE: BC-342 horror stories wanted
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 11) Resistors That Drift High
by David Stinson <arc5@ix.netcom.com>
- 12) [MilSurplus] Resistors That Drift High
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 13) Re: [MilSurplus] Resistors That Drift High
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 14) Re: Resistors That Drift High
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 15) Re: [MilSurplus] Resistors That Drift High
by Jerry Proc <jproc@idirect.com>
- 16) Re bradley det
by philip mccoey <dgnova@erols.com>
- 17) More on the Silvertone 5656-A
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 18) RE: More on the Silvertone 5656-A

by Merz Donald S <merz.ds@mellon.com>
19) Re: Resistors That Drift High
by Arden Allen <gumbear@pacbell.net>
20) BC-342: First grey cloud just a small storm
by Arden Allen <gumbear@pacbell.net>
21) RE: Resistors That Drift High
by Morris Odell <Morris0@vifp.monash.edu.au>

Message-Id: <3.0.5.32.20010220144630.00863580@192.168.0.1>
Date: Tue, 20 Feb 2001 14:46:30 +0100
To: Old Tube Radios <boatanchors@theporch.com>
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
Subject: Interesting WEB page!
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello!

I don't know if you are aware of this GREAT datasheets page... take a look!

<http://www.wps.com/archives/tube-datasheets/>

Regards,

JOSE

73 EB5AGV / EC5AAU - JOSE V. GAVILA
La Canyada - Valencia (SPAIN)

EB5AGV Vintage Radio Site: <http://www.geocities.com/eb5agv>

European Boatanchors List: http://groups.yahoo.com/group/euro_ba_swap

Message-ID: <3A9277DD.842F2771@qwest.net>
Date: Tue, 20 Feb 2001 06:57:50 -0700
From: James Hanlon <knjhanlon@qwest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC342 horror stories wanted
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Meir,

Re your silver BC-312, I bought a Meissner EX Signal Shifter
at Findlay one fine summer day. Someone had sprayed black

paint all over the front panel, after masking off the labels with adhesive tape. It looked dreadful, but as it turned out it worked just fine. With nothing to lose, I tried a little acetone on the black paint and found that it came off very easily. Fortunately it didn't bother the labels or anything else underneath. You might try it on your 312. Who knows, the guy might have used cheap paint that will cut easily and that good, mil-spec black crackle under there won't budge an inch.

Jim, W8KGI

Message-ID: <002001c09b4c\$e7f09f60\$473de4cf@wa7dia>
From: "Jack Antonio" <dia@dia.reno.nv.us>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC342 horror stories wanted
Date: Tue, 20 Feb 2001 06:53:36 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Meir, Jim and the group,

I have a BC-344 that some one oversprayed with black wrinkle, I tried removing it with lacquer thinner, but it went all the way to bare metal.

Once it turns warm I may try to refinish it.

73

Jack Antonio WA7DIA
dia@dia.reno.nv.us

You might try it on your 312.

> Who knows, the guy might have used cheap paint that will cut
> easily and that good, mil-spec black crackle under there
> won't budge an inch.

Date: Tue, 20 Feb 2001 10:01:53 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: BC-342: It ain't pretty
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200102201002_MC2-C62D-FB54@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Arden,

I wouldn't worry too much about the green goo other than to carefully clean it up (and thoroughly wash your hands before popping the top on the next cold 807!). On the oscillator unit, I'd recommend replacing the entire box. Easiest way to replace components inside the box is to remove it from the chassis anyway. If you'll send me the BC-342 model letter, I'll see whether I have an exact match (model wise) in a parts unit. Might as well keep things as closely matched up as possible. Incidentally, the instructions for removing the RF, Mixer and Oscillator boxes are in the final edition of TM 11-850, as well as in TM 11-4001.

Also, besides a number of parts units, if anyone else ever needs one, I have quite a few (44 to be exact) loose BFO (CW Oscillator) units for the BC-312/342. Part number 2C2775, condition NOSB, as well as some 1st audio transformers.

Message text written by Arden

>That's the good part. The bad part is the oscillator unit. R46 is cracked and reading 8600 ohms instead of the required 7500. All three resistors will have to be replaced. The oscillator tube plate bypass cap had been replaced which does not bode well the rest of the caps in general. Coil L20's ceramic form is badly broken at the mounting end. There is a chip
<

73,
Robert Downs
<RWDowns_WA5CAB@compuserve.com>
Houston

Date: Tue, 20 Feb 2001 10:01:55 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: BC-342 Horror Stories Wanted
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200102201002_MC2-C62D-FB55@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Meir & Group,

It just occurred to me that I have seen several BC-312's or BC-342's painted silver, enough so that I'm beginning to wonder whether it was done by hams or maybe earlier before they were surplused out. FT-237's, BC-603's and BC-604's are often found in silver, although generally the front panels are still original. This was done, I've been told, by the French and/or Brits while the sets were in service with them, probably early 50's time frame.

Message text written by Meir

>About 6 years ago I bought a BC-312 at a local hamfest. The main problem was that some idiot spray painted the whole receiver - front panel and cabinet - with silver paint. He was at least nice enough to mask the nomenclature around the knobs. The only reason I didn't leave it there in=

<

Robert Downs
<RWDowns_WA5CAB@compuserve.com>
Houston

Message-Id: <3.0.1.32.20010220095606.00ffeea0@vuse.vanderbilt.edu>
Date: Tue, 20 Feb 2001 09:56:06 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: HRO-60 headsup
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The electrical resuscitation of this critter is about 2/3 done (unless I find any more hidden nasties). Once cleaned it was in a bit better shape than I had originally thought. Getting rid of spiderwebs yields very cheap attitude adjustment. There was an apparent wiring error in the mode (CW-AM-NBFM-Phono) switch. Two leads were reversed, so that when in AM mode a 0.01 bypass cap was hooked to the (dead) B+ line of the BFO oscillator as opposed to the real B+ line. Given the congested location of

the wires in question, I will probably leave it unmolested as an historic document.

The real reason for the post is a brief report on component condition. The paper caps are mostly Sangamo red plastic molded units. Every one of them is leaky, and many have cracked cases. There is (of course) one Black Beauty (hiding behind the mode switch) and it is not only leaky but has no discernible capacitance. Fortunately, this is all balanced by a large number of ceramic disks, which seem to have survived the years nicely.

About 2/3 of the resistors are out of spec, all high, from about 15% to 200+%. The smooth molded resistors seem to have fared better than the ones with the textured cases. All power resistors are bad save the two that are on 6H6 filaments and the wirewound 5K.

Bottom line is that this particular set (which, admittedly, suffered from the slings and arrows of outrageous storage) is about as bad as any I've seen, implying that if you haven't checked your HRO-60 you should.

73 A. B. Bonds

From: "Dick Dillman" <ddillman@igc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 20 Feb 2001 08:18:31 -0800
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Interesting WEB page!
Message-ID: <3A922857.18465.377014@localhost>

On 20 Feb 2001, at 14:46, JOSE V. GAVILA (EB5AGV/EC5AAU) wrote:

> I don't know if you are aware of this GREAT datasheets page... take a
> look!
>
> <http://www.wps.com/archives/tube-datasheets/>

Thanks for the URL, Jose. The tube information is, as you say, great. But the *rest* of the site... well, I must say I have not seen anything on the Web quite so interesting in a long time!

D.

Dick Dillman, W6AWO
Member of the Maritime Radio Historical Society
Collector of Heavy Metal:
Harleys, Willys and Radios over 100lbs.

Message-ID: <3A92A116.B7D9123D@ix.netcom.com>
Date: Tue, 20 Feb 2001 10:53:42 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC-342 horror stories wanted
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> I then glowered at all of those soldered shut
> hermetic capacitor modules. It's enough to drive one bunkers
> to think of all the work that the sight of
> those caps implies. What I need is some psychological bolstering...

Take heart...

I've worked on a'many of these type receivers.
In my experiance, the solder-sealed, oil-filled hermetics
are often doing just fine after their long hybernation.
Unless they've been subjected to a lot of intense heat or
moisture to the point that the cases are corroded,
you probably won't find more then a couple bad, if that.
Exception- look at the seals at the terminals.
If you see rotten rubber and leaking oil, you need
to check those extra close. Bring up the B+ slowly and
look for warm components, etc. You should get signals
at low B+ (50-60 volts or so- as little as 25 volts
on some radios). This will allow you to
troubleshoot without burning anything up.
Or you can just get out the old ZM-11 or
ZM-30 cap checker and start at one end....
Dave S.

Message-ID: <20010220171640.13267.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Silvertone 5656-A
Date: Tue, 20 Feb 2001 12:11:02 -0500
MIME-Version: 1.0
Content-Type: text/plain

Yes, this is a genuine Sears Roebuck radio. Not too shabby for World's
Largest Store.
73, Don Merz, N3RHT

> -----Original Message-----

> From: Christopher A.Bowne [SMTP:radiobwn@ricconnect.com]

> Sent: Saturday, February 17, 2001 4:32 PM

> To: Old Tube Radios

> Cc: 'boatanchors@theporch.com'

> Subject: RE: Silvertone 5656-A

>

> Silvertone, as in Sears Roebuck? Wonder if someone would have a
> contemporary Sears wish-book with this RX in it. On a related subject, I
> have heard (folklore?) that Macy's at one time just after the war was
> selling complete WS No. 19 systems, in the crates, one Christmas. Anyone
> else have any info on this?

>

> 73,

>

> Chris Bowne, AJ!G

> Stonington, CT

> radiobwn@ricconnect.com

>

>

>

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notify us immediately by returning the e-mail to the originator.

Message-Id: <v03007803b6b834b495b6@[132.235.46.182]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Tue, 20 Feb 2001 12:10:40 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Richard Post <post@ouvaxa.cats.ohiou.edu>

Subject: RE: BC-342 horror stories wanted

Cc: mbendror@optonline.net

Meir,

Must have been the same guy that sprayed silver paint on the S-19R I bought
at Dayton a couple of years ago. Sprayed right over the knob labels. At
least he didn't paint the knobs :-)

Bought it for parts since the price was right, but found that the silver
paint would come off with a thorough scrubbing with rubbing alcohol using a
stiff toothbrush. Hallicrafters used tough paint even for knob labels and
logos back then.

The Museum of Radio and Technology has an HT-6 with aluminum paint all over its face. It's obviously not on display! One of these days, I'll bring the rubbing alcohol and try scrubbing it.

73,

Rich

Boatanchor Pix website - KB8TAD
<<http://oak.cats.ohiou.edu/~postr/bapix/>>

Museum of Radio and Technology
<<http://oak.cats.ohiou.edu/~postr/MRT>>

>About 6 years ago I bought a BC-312 at a local hamfest. The main problem
>was that some idiot spray painted the whole receiver - front panel and
>cabinet - with silver paint.
was that I paid \$20 for it
>73, Meir WF2U

Message-ID: <3A92B2BE.9264CA7E@ix.netcom.com>
Date: Tue, 20 Feb 2001 12:09:02 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Resistors That Drift High
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A recent thread mentioned resistors that drift high. Lately, I've begun working more toward keeping the fine workmanship inside my boatanchors as original as possible. I've recapped many and now regret all the removed original components. I wrote about using low B+ awhile ago.

I'm trying something new on resistors that drift high. I've started calculating the parallel resistor that will result in the proper value and tacking it in place, thus preserving the original workmanship. It has worked well so far, but am I kidding myself? The incremental damage that caused the drifting is still going on, so is this just a "stop gap," or will the split currents slow the damage? What are your opinions?

73 Dave S.

Date: Tue, 20 Feb 2001 15:18:50 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: [MilSurplus] Resistors That Drift High
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "milsurplus@qth.net" <milsurplus@qth.net>,
Boatanchors <boatanchors@theporch.com>
Message-ID: <200102201519_MC2-C63A-C94A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Message text written by David Stinson
>It has worked well so far, but am I kidding myself?
The incremental damage that caused the drifting is =

still going on, so is this just a "stop gap,"
or will the split currents slow the damage?
What are your opinions?
<

If it's opinions that you want - :-) it would appear that the drift occur=
s
(when it occurs) whether the set is used or not. Certainly this is true =
in
the case of capacitor deterioration. I've never read anywhere any
discussion of the causes of drift in carbon composition resistors. Anyon=
e
have anything on this? It would be interesting to know (and somewhat
answer Dave's question) if we knew whether the drift rate should be
constant or decreasing.

73,
Robert Downs
<RWDowns_WA5CAB@compuserve.com>
Houston

Date: Tue, 20 Feb 2001 13:35:05 -0700 (MST)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: [MilSurplus] Resistors That Drift High
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>,
"milsurplus@qth.net" <milsurplus@qth.net>

Message-id:

<Pine.PMDF.3.95.1010220132743.541122782F-1000000@devax.admin.athabascau.ca>

MIME-version: 1.0

Content-type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Feb 2001, ROBERT W. DOWNS wrote:

> If it's opinions that you want - :-) it would appear that the drift occurs
> (when it occurs) whether the set is used or not. Certainly this is true in
> the case of capacitor deterioration. I've never read anywhere any
> discussion of the causes of drift in carbon composition resistors. Anyone
> have anything on this? It would be interesting to know (and somewhat
> answer Dave's question) if we knew whether the drift rate should be
> constant or decreasing.

Just like sociology, my observations are highly anecdotal and not acceptable
in scientific circles but...

It seems that the carbon composition resistors deteriorate more quickly
if the humidity is higher.

I notice that the resistors in equipment are more likely to have drifted
up if they are near a heat source even when they still look like new.

It seems to me that the smaller resistors have drifted farther than the
bigger ones when stored or used in a similar environment

When I unsolder a drifted resistor it drifts even farther and doesn't
seem inclined to come back down when it cools off.

Some resistors seem to drift and others don't which seems to imply that
all carbon comps are not created equal, and this is still true when you
weed out the molded ones which are only pretending to be carbon comps.

And that bit of unreliable tripe is worth every penny that you paid for it.

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Message-Id: <3.0.1.32.20010220152604.0100d2c8@vuse.vanderbilt.edu>

Date: Tue, 20 Feb 2001 15:26:04 -0600

To: Old Tube Radios <boatanchors@theporch.com>

From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>

Subject: Re: Resistors That Drift High

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 12:09 PM 2/20/2001 -0600, you wrote:

>A recent thread mentioned resistors that drift high.
>Lately, I've begun working more toward
>keeping the fine workmanship inside my boatanchors
>as original as possible. I've recapped many and now
>regret all the removed original components.
>I wrote about using low B+ awhile ago.
>

To each his own. I have never regretted removing a leaky wax cap or (especially) a Black Beauty. I once checked the filter caps in a lovely National 2-40D and they appeared OK, even under high voltage. I used this set for about two weeks, then noted when turning it on one day it did not warm up as quickly as usual. The power transformer was very hot and I immediately turned it off, thereby saving it. Dead short in one of the filter caps.

If you are going to admire the workmanship, then don't use it. If you are going to use it, then fix it. If you are running low B+, you may or may not preserve it, but it won't perform to spec. You can't have both and not run a risk of destroying unreplaceable components.

>I'm trying something new on resistors that drift high.
>I've started calculating the parallel resistor that
>will result in the proper value and tacking it in place,
>thus preserving the original workmanship.
>It has worked well so far, but am I kidding myself?
>The incremental damage that caused the drifting is
>still going on, so is this just a "stop gap,"
>or will the split currents slow the damage?
>What are your opinions?
>

My opinion is that this is stopgap at best and certainly does not preserve the aesthetics of the wiring.

73 A. B. Bonds

Message-ID: <3A92E0AD.B3355A12@idirect.com>
Date: Tue, 20 Feb 2001 16:25:01 -0500
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [MilSurplus] Resistors That Drift High
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard Loken wrote:

> It seems that the carbon composition resistors deteriorate more quickly
> if the humidity is higher.
>
>

For whatever it's worth, I seem to recall that there was a rather lengthy thread on Boatanchors about resistors drifting up in value and Richard's e-mail agrees with what I still remember from that thread. Are there any "archivers" in the audience?

--

Jerry Proc VE3FAB
e-mail:jproc@idirect.com
<http://webhome.idirect.com/~jproc/ve3fab>
HMCS HAIDA Historic Naval Ship. Toronto, Ontario

Message-ID: <3A92F290.79F5E75E@erols.com>
Date: Tue, 20 Feb 2001 17:41:21 -0500
From: philip mccoey <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re bradley det
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The bradley detector was used in a lot of TV sets. The most common tube was the 6BN6. If you have a sylvania tube manual, I forget which one, it has a schematic diagram of one of these tubes in a FM detector. The advantage is you don't need a special FM detector transformer. All you need is one tuned circuit.

Message-Id: <v03007800b6b8a541f52a@[132.235.46.182]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 20 Feb 2001 18:05:41 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Richard Post <post@ouvaxa.cats.ohiou.edu>
Subject: More on the Silvertone 5656-A
Cc: merz.ds@mellon.com

A couple of years ago, I queried this group about the "mystery receiver" in a 1937 ham shack photo. That receiver turned out to be the Silvertone 5656-A. The nice color photo of the receiver, scanned for the website, was

provided by Dan Merz (That's not a typo, Dan Merz and Don Merz are two different folks.)

Don, do you have pictures of yours yet? I would like to see the inside (under the hood).

See the pix at:

<<http://oak.cats.ohiou.edu/~postr/bapix/hampic.htm>>

73,

Rich KB8TAD

>Date: Tue, 20 Feb 2001 12:11:02 -0500

>From: Merz Donald S <merz.ds@mellon.com>

>Subject: RE: Silvertone 5656-A

>

>Yes, this is a genuine Sears Roebuck radio. Not too shabby for World's

>Largest Store.

>73, Don Merz, N3RHT

>

Message-ID: <20010220231510.2811.qmail@mellon.com>

From: Merz Donald S <merz.ds@mellon.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: RE: More on the Silvertone 5656-A

Date: Tue, 20 Feb 2001 18:09:39 -0500

MIME-Version: 1.0

Content-Type: text/plain

Thanks very much for remembering this picture! Now that I see it again, I remember it being posted before.

That's the Silvertone all right. Mine looks identical to the one in the picture. But I'll get some shots of this one and make them available to anyone who is interested.

Thanks again.

73, Don Merz, N3RHT

> -----Original Message-----

> From: Richard Post [SMTP:post@ouvaxa.cats.ohiou.edu]

> Sent: Tuesday, February 20, 2001 6:06 PM

> To: boatanchors@theporch.com

> Cc: merz.ds@mellon.com

> Subject: More on the Silvertone 5656-A

>

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> a 1937 ham shack photo. That receiver turned out to be the Silvertone

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> Don, do you have pictures of yours yet? I would like to see the inside
> (under the hood).
> See the pix at:
>
> <<http://oak.cats.ohiou.edu/~postr/bapix/hampic.htm>>
>
> 73,
> Rich KB8TAD
>
> >Date: Tue, 20 Feb 2001 12:11:02 -0500
> >From: Merz Donald S <merz.ds@mellon.com>
> >Subject: RE: Silvertone 5656-A
> >
> >Yes, this is a genuine Sears Roebuck radio. Not too shabby for World's
> >Largest Store.
> >73, Don Merz, N3RHT
> >
>

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Date: Tue, 20 Feb 2001 17:22:59 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Resistors That Drift High
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G93003L72FVU0@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Dave;

>
> I'm trying something new on resistors that drift high.
> I've started calculating the parallel resistor that
> will result in the proper value and tacking it in place,
> thus preserving the original workmanship.
> It has worked well so far, but am I kidding myself?
> The incremental damage that caused the drifting is

> still going on, so is this just a "stop gap,"
> or will the split currents slow the damage?
> What are your opinions?

Even unesed old stock resitsors are found to be out of tolerance. It's due to internal rot. I preserve the original workmanship to a reasonable extent by imitating it. I remove the old component completely and install the replacement in the same or nearly so manner. The rework is obvious but at least the quality is maintained (and sometimes improved).

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Tue, 20 Feb 2001 17:47:32 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: BC-342: First grey cloud just a small storm
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G93006AY3LR54@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Whew! That wasn't the USS Greenville after all, just a small hurricane.....

I managed to cement the L20 coil form back together with Krazy Glue which does a beautiful job of mending ceramic. There is one large piece missing but the winding area is complete. I rewound the coil with new magnet wire which fortunately I had some of the right gauge. I epoxied the phenolic mounts into L19 and 20 and this moring reassembled the module. I replaced all of the resistors and all but one of the micas. The one that stayed tested like a new capacitor. The ceramic rotor of one of the two wafers was split in two and Krazy Glue fixed that too. I'm going to put the module back into the reciever and power up just the oscillator tube with a lab supply to test the oscillator. You don't want to rebuild one of these byzantine designs with unknown functionality subassemblies unless you are a glutton for punishment and like to tear things apart again and again. The best remedy for what ails boatanchors is new parts,if you can obtain them.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID:
<07A064EA6042D4118A62009027F70E770517BD@nt_exchange.vifp.monash.edu.au>
From: Morris Odell <MorrisO@vifp.monash.edu.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Resistors That Drift High

Date: Wed, 21 Feb 2001 13:33:06 +1100
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Dave Stinson wrote:

>
> I'm trying something new on resistors that drift high.
> I've started calculating the parallel resistor that
> will result in the proper value and tacking it in place,

I try to think of this in terms of three issues:

1. What is easier to replace - a 2 cent resistor or that 50 year old specially wound unobtainium transformer it feeds??
2. Will the original resistor/capacitor continue to drift/leak?
3. Will the added component add to circuit stray capacitance and have unpredictable effects?

usually the decision is simple :-)

73 de Morris VK3DOC

> thus preserving the original workmanship.
> It has worked well so far, but am I kidding myself?
> The incremental damage that caused the drifting is
> still going on, so is this just a "stop gap,"
> or will the split currents slow the damage?
> What are your opinions?
>
> 73 Dave S.
>

End of BOATANCHORS Digest 3109
